

APPENDIX A 1

CALIBRATION STANDARDS

ARSENAL WEIGHT:

Shall be calibrated to be accurate to the following specifications:

5 pound weight	+/- ¼ pound
2 pound weight	+/- ¼ pound
1 pound weight	+/- 2 ounces
½ pound weight	+/- 1 ounce
¼ pound weight	+/- 1 ounce

BALANCES:

All balances will be cleaned and calibrated once every two years.

They will be checked annually, documented in Record book, and to be accurate to the following specifications:

1 grain	+/- .2 grains
10 grains	+/- 1 grain
100 grains	+/- 1 grain
1000 grains	+/- 2 grains

DROP TEST:

Rubber mat

85 Durometer +/- 5 Durometer (Shore A)

MICROMETERS & CALIBERS

All micrometers and calipers will be calibrated annually, documented in Record book and certified with stage micrometer to be accurate to the following specifications:

.1"	+/- width of graduate line on stage micrometer
.01"	+/- .005"
.001	+/- .0005"

MICROSCOPES:

All comparison and stereo microscopes to be cleaned, calibrated annually, documented in Record book and certified with a pair of stage micrometers to be accurate to the following specifications:

All magnifications of oculars +/- width of one graduate line

TAPE MEASURES:

Shall be calibrated to be accurate to the following specifications:

100 feet	+/- 6 inches
25 feet	+/- 4 inches
10 feet	+/- 2 inches
5 feet	+/- 1 inch
18 inches	+/- 1/16 inch

All length measuring devices >1 inch will be visually checked against the calibrated tape and documented in the Record book.

These standards will remain certified unless obvious damage is noted, which would indicate the necessity to recalibrate the damaged standard.